

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC Code	Occupation Title	2016	2026	Numeric Change	Percent Change	Average Annual Openings			Entry-Level Occupational Preparation		
		Estimated	Projected			Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
	Total, All Occupations	21,704	22,726	1,022	4.7%	1,152	1,465	2,719			
11-0000	Management Occupations	1,165	1,224	59	5.1%	34	59	99			
11-1000	Top Executives	531	554	23	4.3%	12	30	44			
11-1011	Chief Executives	108	100	-8	-7.4%	3	4	6	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	390	419	29	7.4%	8	24	35	Bachelor's degree	5 years or more	None
11-1031	Legislators	33	35	2	6.1%	1	1	2	Bachelor's degree	Less than 5 years	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	36	38	2	5.6%	1	2	3			
11-2021	Marketing Managers	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	18	19	1	5.6%	0	1	1	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	112	129	17	15.2%	3	6	11			
11-3011	Administrative Services Managers	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	81	94	13	16.1%	2	4	7	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	n	n	n	n	n	n	n	HS diploma/equivalent	5 years or more	None
11-3121	Human Resources Managers	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	486	503	17	3.5%	18	21	41			
11-9013	Farmers, Ranchers, and Other Agricultural Managers	133	127	-6	-4.5%	8	2	9	HS diploma/equivalent	5 years or more	None
11-9021	Construction Managers	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	86	89	3	3.5%	2	4	6	Master's degree	5 years or more	None
11-9039	Education Administrators, All Other	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	65	70	5	7.7%	2	5	7	HS diploma/equivalent	Less than 5 years	None
11-9081	Lodging Managers	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	None
11-9111	Medical and Health Services Managers	41	47	6	14.6%	1	2	4	Bachelor's degree	Less than 5 years	None
11-9131	Postmasters and Mail Superintendents	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	Moderate-term OJT
11-9141	Property, Real Estate, and Community Association Managers	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	None
11-9151	Social and Community Service Managers	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
11-9161	Emergency Management Directors	n	n	n	n	n	n	n	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	540	594	54	10.0%	18	33	56			
13-1000	Business Operations Specialists	361	397	36	10.0%	12	24	40			
13-1022	Wholesale and Retail Buyers, Except Farm Products	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-1041	Compliance Officers	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-1051	Cost Estimators	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-1071	Human Resources Specialists	54	57	3	5.6%	2	4	6	Bachelor's degree	None	None
13-1081	Logisticians	n	n	n	n	n	n	n	Bachelor's degree	None	None
13-1111	Management Analysts	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	56	60	4	7.1%	2	4	6	Bachelor's degree	None	None
13-1131	Fundraisers	51	57	6	11.8%	2	4	7	Bachelor's degree	None	None
13-1151	Training and Development Specialists	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	n	n	n	n	n	n	n	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	75	80	5	6.7%	2	4	6	Bachelor's degree	None	None
13-2000	Financial Specialists	179	197	18	10.1%	6	9	17			
13-2011	Accountants and Auditors	69	75	6	8.7%	2	4	7	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	n	n	n	n	n	n	n	Bachelor's degree	None	Long-term OJT
13-2071	Credit Counselors	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT

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SOC		2016	2026	Numeric	Percent	Average Annual Openings			Entry-Level Occupational Preparation		
Code	Occupation Title	Estimated	Projected	Change	Change	Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
13-2099	Financial Specialists, All Other	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
15-0000	Computer and Mathematical Occupations	140	165	25	17.9%	3	8	13			
15-1100	Computer Occupations	140	165	25	17.9%	3	8	13			
15-1121	Computer Systems Analysts	n	n	n	n	n	n	n	Bachelor's degree	None	None
15-1122	Information Security Analysts	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	n	n	n	n	n	n	n	Bachelor's degree	None	None
15-1132	Software Developers, Applications	22	32	10	45.5%	0	1	2	Bachelor's degree	None	None
15-1134	Web Developers	n	n	n	n	n	n	n	Associate's degree	None	None
15-1141	Database Administrators	n	n	n	n	n	n	n	Bachelor's degree	None	None
15-1142	Network and Computer Systems Administrators	n	n	n	n	n	n	n	Bachelor's degree	None	None
15-1151	Computer User Support Specialists	64	72	8	12.5%	1	4	6	Some college, no degree	None	None
15-1152	Computer Network Support Specialists	n	n	n	n	n	n	n	Associate's degree	None	None
15-1199	Computer Occupations, All Other	n	n	n	n	n	n	n	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	141	159	18	12.8%	4	7	13			
17-1000	Architects, Surveyors, and Cartographers	28	32	4	14.3%	1	1	2			
17-1011	Architects, Except Landscape and Naval	n	n	n	n	n	n	n	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	n	n	n	n	n	n	n	Bachelor's degree	None	Internship/residency
17-1022	Surveyors	n	n	n	n	n	n	n	Bachelor's degree	None	Internship/residency
17-2000	Engineers	94	107	13	13.8%	2	5	8			
17-2051	Civil Engineers	n	n	n	n	n	n	n	Bachelor's degree	None	None
17-2112	Industrial Engineers	n	n	n	n	n	n	n	Bachelor's degree	None	None
17-2141	Mechanical Engineers	n	n	n	n	n	n	n	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	n	n	n	n	n	n	n			
17-3011	Architectural and Civil Drafters	n	n	n	n	n	n	n	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	n	n	n	n	n	n	n	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
19-0000	Life, Physical, and Social Science Occupations	70	74	4	5.7%	2	4	6			
19-1000	Life Scientists	11	11	0	0.0%	0	1	1			
19-1023	Zoologists and Wildlife Biologists	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-1031	Conservation Scientists	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-1032	Foresters	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-2000	Physical Scientists	n	n	n	n	n	n	n			
19-2021	Atmospheric and Space Scientists	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-2031	Chemists	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	n	n	n	n	n	n	n			
19-3031	Clinical, Counseling, and School Psychologists	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
19-3051	Urban and Regional Planners	n	n	n	n	n	n	n	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	n	n	n	n	n	n	n			
19-4011	Agricultural and Food Science Technicians	n	n	n	n	n	n	n	Associate's degree	None	Moderate-term OJT
19-4021	Biological Technicians	n	n	n	n	n	n	n	Bachelor's degree	None	None
19-4093	Forest and Conservation Technicians	n	n	n	n	n	n	n	Associate's degree	None	None
21-0000	Community and Social Service Occupations	302	332	30	9.9%	13	22	38			
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	248	277	29	11.7%	11	18	32			
21-1012	Educational, Guidance, School, and Vocational Counselors	n	n	n	n	n	n	n	Master's degree	None	None
21-1013	Marriage and Family Therapists	n	n	n	n	n	n	n	Master's degree	None	Internship/residency
21-1014	Mental Health Counselors	n	n	n	n	n	n	n	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	n	n	n	n	n	n	n	Master's degree	None	None
21-1019	Counselors, All Other	n	n	n	n	n	n	n	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	n	n	n	n	n	n	n	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	n	n	n	n	n	n	n	Master's degree	None	Internship/residency
21-1091	Health Educators	n	n	n	n	n	n	n	Bachelor's degree	None	None

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21-1093	Social and Human Service Assistants	109	122	13	11.9%	5	8	14	HS diploma/equivalent	None	Short-term OJT	
21-1094	Community Health Workers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT	
21-1099	Community and Social Service Specialists, All Other	21	23	2	9.5%	1	2	3	Bachelor's degree	None	None	
21-2000	Religious Workers	54	55	1	1.9%	3	4	7				
21-2011	Clergy	30	31	1	3.3%	1	2	3	Bachelor's degree	None	Moderate-term OJT	
21-2021	Directors, Religious Activities and Education	20	20	0	0.0%	1	2	3	Bachelor's degree	Less than 5 years	None	
21-2099	Religious Workers, All Other	4	4	0	0.0%	0	0	0	Bachelor's degree	None	None	
23-0000	Legal Occupations	59	65	6	10.2%	2	3	6				
23-1000	Lawyers, Judges, and Related Workers	27	30	3	11.1%	1	1	2				
23-1011	Lawyers	13	14	1	7.7%	0	0	0	Doctoral/professional degree	None	None	
23-1022	Arbitrators, Mediators, and Conciliators	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	Moderate-term OJT	
23-1023	Judges, Magistrate Judges, and Magistrates	n	n	n	n	n	n	n	Doctoral/professional degree	5 years or more	Short-term OJT	
23-2000	Legal Support Workers	32	35	3	9.4%	1	2	3				
23-2011	Paralegals and Legal Assistants	27	30	3	11.1%	1	2	3	Associate's degree	None	None	
23-2091	Court Reporters	n	n	n	n	n	n	n	Postsec. non-degree award	None	Short-term OJT	
23-2099	Legal Support Workers, All Other	n	n	n	n	n	n	n	Associate's degree	None	None	
25-0000	Education, Training, and Library Occupations	1,199	1,254	55	4.6%	51	50	107				
25-1000	Postsecondary Teachers	9	9	0	0.0%	0	0	0				
25-1011	Business Teachers, Postsecondary	2	2	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1022	Mathematical Science Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1066	Psychology Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1067	Sociology Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1122	Communications Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1123	English Language and Literature Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1125	History Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-1126	Philosophy and Religion Teachers, Postsecondary	1	1	0	0.0%	0	0	0	Doctoral/professional degree	None	None	
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	697	722	25	3.6%	23	27	52				
25-2011	Preschool Teachers, Except Special Education	31	33	2	6.5%	1	2	3	Associate's degree	None	None	
25-2012	Kindergarten Teachers, Except Special Education	n	n	n	n	n	n	n	Bachelor's degree	None	None	
25-2021	Elementary School Teachers, Except Special Education	136	140	4	2.9%	5	5	10	Bachelor's degree	None	None	
25-2022	Middle School Teachers, Except Special and Career/Technical Education	229	237	8	3.5%	8	9	18	Bachelor's degree	None	None	
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	205	213	8	3.9%	6	8	15	Bachelor's degree	None	None	
25-2032	Career/Technical Education Teachers, Secondary School	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None	
25-2052	Special Education Teachers, Kindergarten and Elementary School	n	n	n	n	n	n	n	Bachelor's degree	None	None	
25-2053	Special Education Teachers, Middle School	34	35	1	2.9%	1	1	2	Bachelor's degree	None	None	
25-2054	Special Education Teachers, Secondary School	n	n	n	n	n	n	n	Bachelor's degree	None	None	
25-3000	Other Teachers and Instructors	101	111	10	9.9%	6	5	12				
25-3021	Self-Enrichment Education Teachers	53	59	6	11.3%	3	3	7	HS diploma/equivalent	Less than 5 years	None	
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	38	41	3	7.9%	2	2	4	Bachelor's degree	None	None	
25-3098	Substitute Teachers	10	11	1	10.0%	1	0	1	Bachelor's degree	None	None	
25-4000	Librarians, Curators, and Archivists	76	83	7	9.2%	4	4	9				
25-4012	Curators	n	n	n	n	n	n	n	Master's degree	None	None	
25-4013	Museum Technicians and Conservators	n	n	n	n	n	n	n	Bachelor's degree	None	None	
25-4021	Librarians	37	40	3	8.1%	2	1	3	Master's degree	None	None	
25-4031	Library Technicians	12	12	0	0.0%	1	1	2	Postsec. non-degree award	None	None	
25-9000	Other Education, Training, and Library Occupations	316	329	13	4.1%	17	15	33				
25-9011	Audio-Visual and Multimedia Collections Specialists	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None	
25-9031	Instructional Coordinators	n	n	n	n	n	n	n	Master's degree	5 years or more	None	
25-9041	Teacher Assistants	274	285	11	4.0%	15	13	29	Some college, no degree	None	None	
25-9099	Education, Training, and Library Workers, All Other	n	n	n	n	n	n	n	Bachelor's degree	None	None	
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	385	386	1	0.3%	16	21	37				
27-1000	Art and Design Workers	149	141	-8	-5.4%	6	6	11				
27-1012	Craft Artists	71	68	-3	-4.2%	3	2	5	No formal education	None	Long-term OJT	
27-1019	Artists and Related Workers, All Other	n	n	n	n	n	n	n	No formal education	None	Long-term OJT	
27-1022	Fashion Designers	n	n	n	n	n	n	n	Bachelor's degree	None	None	

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27-1024	Graphic Designers	50	47	-3	-6.0%	2	3	5	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
27-2000	Entertainers and Performers, Sports and Related Workers	151	163	12	8.0%	7	10	18			
27-2011	Actors	n	n	n	n	n	n	n	Some college, no degree	None	Long-term OJT
27-2012	Producers and Directors	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
27-2021	Athletes and Sports Competitors	n	n	n	n	n	n	n	No formal education	None	Long-term OJT
27-2022	Coaches and Scouts	49	54	5	10.2%	3	4	7	Bachelor's degree	None	None
27-2041	Music Directors and Composers	9	9	0	0.0%	0	0	0	Bachelor's degree	Less than 5 years	None
27-2042	Musicians and Singers	16	16	0	0.0%	1	1	2	No formal education	None	Long-term OJT
27-3000	Media and Communication Workers	68	65	-3	-4.4%	2	4	6			
27-3011	Radio and Television Announcers	n	n	n	n	n	n	n	Bachelor's degree	None	None
27-3021	Broadcast News Analysts	n	n	n	n	n	n	n	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	n	n	n	n	n	n	n	Bachelor's degree	None	None
27-3031	Public Relations Specialists	n	n	n	n	n	n	n	Bachelor's degree	None	None
27-3041	Editors	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	n	n	n	n	n	n	n	Bachelor's degree	Less than 5 years	Short-term OJT
27-3043	Writers and Authors	n	n	n	n	n	n	n	Bachelor's degree	None	Long-term OJT
27-4000	Media and Communication Equipment Workers	n	n	n	n	n	n	n			
27-4031	Camera Operators, Television, Video, and Motion Picture	n	n	n	n	n	n	n	Bachelor's degree	None	None
27-4032	Film and Video Editors	n	n	n	n	n	n	n	Bachelor's degree	None	None
29-0000	Healthcare Practitioners and Technical Occupations	909	1,003	94	10.3%	26	26	61			
29-1000	Health Diagnosing and Treating Practitioners	540	596	56	10.4%	14	12	32			
29-1011	Chiropractors	n	n	n	n	n	n	n	Doctoral/professional degree	None	None
29-1031	Dietitians and Nutritionists	n	n	n	n	n	n	n	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	n	n	n	n	n	n	n	Doctoral/professional degree	None	None
29-1051	Pharmacists	65	68	3	4.6%	2	1	3	Doctoral/professional degree	None	None
29-1062	Family and General Practitioners	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1063	Internists, General	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1065	Pediatricians, General	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1066	Psychiatrists	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1067	Surgeons	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1071	Physician Assistants	n	n	n	n	n	n	n	Master's degree	None	None
29-1081	Podiatrists	n	n	n	n	n	n	n	Doctoral/professional degree	None	Internship/residency
29-1122	Occupational Therapists	n	n	n	n	n	n	n	Master's degree	None	None
29-1123	Physical Therapists	29	36	7	24.1%	1	1	3	Doctoral/professional degree	None	None
29-1124	Radiation Therapists	n	n	n	n	n	n	n	Associate's degree	None	None
29-1125	Recreational Therapists	n	n	n	n	n	n	n	Bachelor's degree	None	None
29-1126	Respiratory Therapists	n	n	n	n	n	n	n	Associate's degree	None	None
29-1127	Speech-Language Pathologists	n	n	n	n	n	n	n	Master's degree	None	Internship/residency
29-1131	Veterinarians	n	n	n	n	n	n	n	Doctoral/professional degree	None	None
29-1141	Registered Nurses	314	340	26	8.3%	9	7	19	Bachelor's degree	None	None
29-1171	Nurse Practitioners	23	30	7	30.4%	0	1	2	Master's degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	n	n	n	n	n	n	n	Master's degree	None	None
29-2000	Health Technologists and Technicians	348	385	37	10.6%	11	14	29			
29-2011	Medical and Clinical Laboratory Technologists	n	n	n	n	n	n	n	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	n	n	n	n	n	n	n	Associate's degree	None	None
29-2021	Dental Hygienists	n	n	n	n	n	n	n	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	n	n	n	n	n	n	n	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	n	n	n	n	n	n	n	Associate's degree	None	None
29-2034	Radiologic Technologists	n	n	n	n	n	n	n	Associate's degree	None	None
29-2041	Emergency Medical Technicians and Paramedics	76	85	9	11.8%	1	3	5	Postsec. non-degree award	None	None
29-2051	Dietetic Technicians	n	n	n	n	n	n	n	Associate's degree	None	None
29-2052	Pharmacy Technicians	47	53	6	12.8%	2	2	5	HS diploma/equivalent	None	Moderate-term OJT
29-2055	Surgical Technologists	n	n	n	n	n	n	n	Postsec. non-degree award	None	None

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC		2016	2026	Numeric	Percent	Average Annual Openings			Entry-Level Occupational Preparation		
Code	Occupation Title	Estimated	Projected	Change	Change	Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
29-2056	Veterinary Technologists and Technicians	29	36	7	24.1%	1	1	3	Associate's degree	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	79	83	4	5.1%	3	3	6	Postsec. non-degree award	None	None
29-2071	Medical Records and Health Information Technicians	33	35	2	6.1%	1	1	2	Postsec. non-degree award	None	None
29-2081	Opticians, Dispensing	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
29-2099	Health Technologists and Technicians, All Other	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
29-9000	Other Healthcare Practitioners and Technical Occupations	n	n	n	n	n	n	n			
29-9011	Occupational Health and Safety Specialists	n	n	n	n	n	n	n	Bachelor's degree	None	None
29-9012	Occupational Health and Safety Technicians	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
29-9091	Athletic Trainers	n	n	n	n	n	n	n	Bachelor's degree	None	None
31-0000	Healthcare Support Occupations	748	841	93	12.4%	47	41	97			
31-1000	Nursing, Psychiatric, and Home Health Aides	573	638	65	11.3%	37	31	74			
31-1011	Home Health Aides	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
31-1014	Nursing Assistants	474	501	27	5.7%	30	25	58	Postsec. non-degree award	None	None
31-1015	Orderlies	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	16	20	4	25.0%	1	1	2			
31-2011	Occupational Therapy Assistants	n	n	n	n	n	n	n	Associate's degree	None	None
31-2012	Occupational Therapy Aides	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
31-2021	Physical Therapist Assistants	n	n	n	n	n	n	n	Associate's degree	None	None
31-9000	Other Healthcare Support Occupations	159	183	24	15.1%	9	9	20			
31-9011	Massage Therapists	57	64	7	12.3%	4	2	7	Postsec. non-degree award	None	None
31-9091	Dental Assistants	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
31-9092	Medical Assistants	65	80	15	23.1%	3	4	9	Postsec. non-degree award	None	None
31-9093	Medical Equipment Preparers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
31-9094	Medical Transcriptionists	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
31-9097	Phlebotomists	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
31-9099	Healthcare Support Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	None
33-0000	Protective Service Occupations	343	365	22	6.4%	10	15	27			
33-1000	Supervisors of Protective Service Workers	50	53	3	6.0%	2	2	4			
33-1012	First-Line Supervisors of Police and Detectives	26	27	1	3.9%	1	1	2	HS diploma/equivalent	Less than 5 years	Moderate-term OJT
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	24	26	2	8.3%	1	1	2	Postsec. non-degree award	Less than 5 years	Moderate-term OJT
33-2000	Fire Fighting and Prevention Workers	139	151	12	8.6%	3	6	10			
33-2011	Firefighters	139	151	12	8.6%	3	6	10	Postsec. non-degree award	None	Long-term OJT
33-3000	Law Enforcement Workers	117	123	6	5.1%	3	5	9			
33-3021	Detectives and Criminal Investigators	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	Moderate-term OJT
33-3041	Parking Enforcement Workers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
33-3051	Police and Sheriff's Patrol Officers	112	119	7	6.3%	3	4	8	HS diploma/equivalent	None	Moderate-term OJT
33-9000	Other Protective Service Workers	37	38	1	2.7%	2	2	4			
33-9011	Animal Control Workers	15	16	1	6.7%	1	1	2	HS diploma/equivalent	None	Moderate-term OJT
33-9032	Security Guards	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
33-9091	Crossing Guards	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
33-9099	Protective Service Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
35-0000	Food Preparation and Serving Related Occupations	3,469	3,786	317	9.1%	258	351	641			
35-1000	Supervisors of Food Preparation and Serving Workers	243	269	26	10.7%	11	24	38			
35-1011	Chefs and Head Cooks	61	69	8	13.1%	2	6	9	HS diploma/equivalent	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	182	200	18	9.9%	9	18	29	HS diploma/equivalent	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	879	965	86	9.8%	57	75	141			
35-2011	Cooks, Fast Food	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
35-2012	Cooks, Institution and Cafeteria	79	85	6	7.6%	5	7	13	No formal education	None	Short-term OJT
35-2014	Cooks, Restaurant	511	581	70	13.7%	32	44	83	No formal education	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	68	68	0	0.0%	4	5	9	No formal education	None	Short-term OJT
35-2019	Cooks, All Other	n	n	n	n	n	n	n	No formal education	None	Moderate-term OJT
35-2021	Food Preparation Workers	147	160	13	8.8%	12	13	26	No formal education	None	Short-term OJT
35-3000	Food and Beverage Serving Workers	1,867	2,039	172	9.2%	147	209	373			
35-3011	Bartenders	198	203	5	2.5%	10	23	33	No formal education	None	Short-term OJT

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC		2016	2026	Numeric	Percent	Average Annual Openings			Entry-Level Occupational Preparation		
Code	Occupation Title	Estimated	Projected	Change	Change	Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	438	499	61	13.9%	42	43	91	No formal education	None	Short-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
35-3031	Waiters and Waitresses	1,162	1,264	102	8.8%	90	138	238	No formal education	None	Short-term OJT
35-3041	Food Servers, Nonrestaurant	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
35-9000	Other Food Preparation and Serving Related Workers	480	513	33	6.9%	44	43	90			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	89	96	7	7.9%	8	7	16	No formal education	None	Short-term OJT
35-9021	Dishwashers	265	280	15	5.7%	20	22	44	No formal education	None	Short-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	126	137	11	8.7%	15	14	30	No formal education	None	Short-term OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	1,263	1,368	105	8.3%	75	85	170			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	94	102	8	8.5%	4	6	11			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	34	36	2	5.9%	2	2	4	HS diploma/equivalent	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	60	66	6	10.0%	2	4	7	HS diploma/equivalent	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	567	597	30	5.3%	42	34	79			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	169	176	7	4.1%	11	11	23	No formal education	None	Short-term OJT
37-2012	Maids and Housekeeping Cleaners	398	421	23	5.8%	30	23	55	No formal education	None	Short-term OJT
37-3000	Grounds Maintenance Workers	602	669	67	11.1%	30	45	82			
37-3011	Landscaping and Groundskeeping Workers	602	669	67	11.1%	30	45	82	No formal education	None	Short-term OJT
39-0000	Personal Care and Service Occupations	903	1,004	101	11.2%	69	66	145			
39-1000	Supervisors of Personal Care and Service Workers	72	81	9	12.5%	4	3	8			
39-1021	First-Line Supervisors of Personal Service Workers	72	81	9	12.5%	4	3	8	HS diploma/equivalent	Less than 5 years	None
39-2000	Animal Care and Service Workers	39	50	11	28.2%	3	4	8			
39-2011	Animal Trainers	4	5	1	25.0%	0	0	0	HS diploma/equivalent	None	Moderate-term OJT
39-2021	Nonfarm Animal Caretakers	35	45	10	28.6%	3	3	7	HS diploma/equivalent	None	Short-term OJT
39-3000	Entertainment Attendants and Related Workers	36	39	3	8.3%	4	4	8			
39-3091	Amusement and Recreation Attendants	36	39	3	8.3%	4	4	8	No formal education	None	Short-term OJT
39-5000	Personal Appearance Workers	187	204	17	9.1%	13	10	25			
39-5011	Barbers	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	174	190	16	9.2%	12	9	23	Postsec. non-degree award	None	None
39-5094	Skincare Specialists	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
39-7000	Tour and Travel Guides	n	n	n	n	n	n	n			
39-7011	Tour Guides and Escorts	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
39-9000	Other Personal Care and Service Workers	549	607	58	10.6%	44	43	93			
39-9011	Childcare Workers	260	274	14	5.4%	22	16	39	HS diploma/equivalent	None	Short-term OJT
39-9021	Personal Care Aides	98	132	34	34.7%	9	7	19	HS diploma/equivalent	None	Short-term OJT
39-9031	Fitness Trainers and Aerobics Instructors	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
39-9032	Recreation Workers	142	150	8	5.6%	10	15	26	HS diploma/equivalent	None	Short-term OJT
39-9041	Residential Advisors	33	34	1	3.0%	2	3	5	HS diploma/equivalent	None	Short-term OJT
39-9099	Personal Care and Service Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
41-0000	Sales and Related Occupations	3,160	3,218	58	1.8%	200	246	452			
41-1000	Supervisors of Sales Workers	416	433	17	4.1%	16	28	46			
41-1011	First-Line Supervisors of Retail Sales Workers	367	382	15	4.1%	14	25	41	HS diploma/equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	49	51	2	4.1%	2	3	5	HS diploma/equivalent	Less than 5 years	None
41-2000	Retail Sales Workers	2,185	2,212	27	1.2%	161	184	348			
41-2011	Cashiers	743	739	-4	-0.5%	70	68	138	No formal education	None	Short-term OJT
41-2021	Counter and Rental Clerks	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
41-2022	Parts Salespersons	n	n	n	n	n	n	n	No formal education	None	Moderate-term OJT
41-2031	Retail Salespersons	1,399	1,431	32	2.3%	90	112	205	No formal education	None	Short-term OJT
41-3000	Sales Representatives, Services	291	296	5	1.7%	12	20	32			
41-3011	Advertising Sales Agents	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
41-3021	Insurance Sales Agents	129	137	8	6.2%	5	7	13	HS diploma/equivalent	None	Moderate-term OJT
41-3041	Travel Agents	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
41-3099	Sales Representatives, Services, All Other	83	91	8	9.6%	3	8	12	HS diploma/equivalent	None	Moderate-term OJT
41-4000	Sales Representatives, Wholesale and Manufacturing	153	158	5	3.3%	5	10	15			

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC Code	Occupation Title	2016	2026	Numeric Change	Percent Change	Average Annual Openings			Entry-Level Occupational Preparation		
		Estimated	Projected			Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	n	n	n	n	n	n	n	Bachelor's degree	None	Moderate-term OJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
41-9000	Other Sales and Related Workers	115	119	4	3.5%	6	5	11			
41-9021	Real Estate Brokers	23	24	1	4.4%	1	1	2	HS diploma/equivalent	Less than 5 years	None
41-9022	Real Estate Sales Agents	73	76	3	4.1%	4	3	7	HS diploma/equivalent	None	Moderate-term OJT
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Worker	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
41-9099	Sales and Related Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	None
43-0000	Office and Administrative Support Occupations	3,372	3,330	-42	-1.3%	178	205	379			
43-1000	Supervisors of Office and Administrative Support Workers	176	180	4	2.3%	7	10	17			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	176	180	4	2.3%	7	10	17	HS diploma/equivalent	Less than 5 years	None
43-2000	Communications Equipment Operators	n	n	n	n	n	n	n			
43-2011	Switchboard Operators, Including Answering Service	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-3000	Financial Clerks	594	579	-15	-2.5%	32	31	61			
43-3011	Bill and Account Collectors	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
43-3021	Billing and Posting Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	387	373	-14	-3.6%	24	18	41	Some college, no degree	None	Moderate-term OJT
43-3051	Payroll and Timekeeping Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
43-3061	Procurement Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
43-3071	Tellers	43	38	-5	-11.6%	2	3	5	HS diploma/equivalent	None	Short-term OJT
43-3099	Financial Clerks, All Other	75	80	5	6.7%	3	5	8	HS diploma/equivalent	None	Short-term OJT
43-4000	Information and Record Clerks	918	946	28	3.1%	50	71	124			
43-4031	Court, Municipal, and License Clerks	34	36	2	5.9%	2	1	3	HS diploma/equivalent	None	Moderate-term OJT
43-4051	Customer Service Representatives	253	257	4	1.6%	13	19	32	HS diploma/equivalent	None	Short-term OJT
43-4061	Eligibility Interviewers, Government Programs	9	10	1	11.1%	0	0	0	HS diploma/equivalent	None	Moderate-term OJT
43-4071	File Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	259	275	16	6.2%	15	26	43	HS diploma/equivalent	None	Short-term OJT
43-4111	Interviewers, Except Eligibility and Loan	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-4121	Library Assistants, Clerical	27	29	2	7.4%	2	2	4	HS diploma/equivalent	None	Short-term OJT
43-4131	Loan Interviewers and Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-4141	New Accounts Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
43-4151	Order Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	n	n	n	n	n	n	n	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	120	120	0	0.0%	8	8	16	HS diploma/equivalent	None	Short-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	43	46	3	7.0%	2	3	5	HS diploma/equivalent	None	Short-term OJT
43-4199	Information and Record Clerks, All Other	44	45	1	2.3%	2	3	5	HS diploma/equivalent	None	Short-term OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	349	360	11	3.2%	17	21	39			
43-5021	Couriers and Messengers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	17	18	1	5.9%	1	1	2	HS diploma/equivalent	None	Moderate-term OJT
43-5041	Meter Readers, Utilities	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-5051	Postal Service Clerks	38	37	-1	-2.6%	2	1	3	HS diploma/equivalent	None	Short-term OJT
43-5052	Postal Service Mail Carriers	29	29	0	0.0%	1	1	2	HS diploma/equivalent	None	Short-term OJT
43-5061	Production, Planning, and Expediting Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
43-5071	Shipping, Receiving, and Traffic Clerks	37	37	0	0.0%	1	2	3	HS diploma/equivalent	None	Short-term OJT
43-5081	Stock Clerks and Order Fillers	208	219	11	5.3%	12	15	28	HS diploma/equivalent	None	Short-term OJT
43-6000	Secretaries and Administrative Assistants	611	559	-52	-8.5%	32	31	58			
43-6011	Executive Secretaries and Executive Administrative Assistants	26	22	-4	-15.4%	1	1	2	HS diploma/equivalent	Less than 5 years	None
43-6012	Legal Secretaries	26	21	-5	-19.2%	1	1	2	HS diploma/equivalent	None	Moderate-term OJT
43-6013	Medical Secretaries	38	43	5	13.2%	2	2	4	HS diploma/equivalent	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	521	473	-48	-9.2%	27	26	48	HS diploma/equivalent	None	Short-term OJT
43-9000	Other Office and Administrative Support Workers	718	701	-17	-2.4%	40	41	79			
43-9021	Data Entry Keyers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC Code	Occupation Title	2016	2026	Numeric Change	Percent Change	Average Annual Openings			Entry-Level Occupational Preparation		
		Estimated	Projected			Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
43-9061	Office Clerks, General	620	602	-18	-2.9%	36	35	69	HS diploma/equivalent	None	Short-term OJT
43-9071	Office Machine Operators, Except Computer	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
43-9111	Statistical Assistants	n	n	n	n	n	n	n	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
45-0000	Farming, Fishing, and Forestry Occupations	91	94	3	3.3%	3	10	13			
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	8	9	1	12.5%	0	1	1			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	None
45-2000	Agricultural Workers	77	80	3	3.9%	3	9	12			
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	72	75	3	4.2%	3	8	11	No formal education	None	Short-term OJT
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	5	5	0	0.0%	0	1	1	No formal education	None	Short-term OJT
45-4000	Forest, Conservation, and Logging Workers	6	5	-1	-16.7%	0	0	0			
45-4022	Logging Equipment Operators	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
45-4023	Log Graders and Scalers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
47-0000	Construction and Extraction Occupations	1,036	1,082	46	4.4%	37	65	107			
47-1000	Supervisors of Construction and Extraction Workers	66	69	3	4.6%	2	4	6			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	66	69	3	4.6%	2	4	6	HS diploma/equivalent	5 years or more	None
47-2000	Construction Trades Workers	849	883	34	4.0%	30	53	86			
47-2021	Brickmasons and Blockmasons	36	37	1	2.8%	1	2	3	HS diploma/equivalent	None	Apprenticeship
47-2022	Stonemasons	77	80	3	3.9%	2	4	6	HS diploma/equivalent	None	Apprenticeship
47-2031	Carpenters	198	201	3	1.5%	7	11	18	HS diploma/equivalent	None	Apprenticeship
47-2041	Carpet Installers	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
47-2044	Tile and Marble Setters	n	n	n	n	n	n	n	No formal education	None	Long-term OJT
47-2061	Construction Laborers	224	237	13	5.8%	8	15	24	No formal education	None	Short-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	96	102	6	6.3%	4	7	12	HS diploma/equivalent	None	Moderate-term OJT
47-2111	Electricians	34	36	2	5.9%	1	3	4	HS diploma/equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	59	58	-1	-1.7%	2	3	5	No formal education	None	Moderate-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	63	67	4	6.4%	2	4	6	HS diploma/equivalent	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	11	10	-1	-9.1%	0	1	1	No formal education	None	Long-term OJT
47-2181	Roofers	n	n	n	n	n	n	n	No formal education	None	Moderate-term OJT
47-2211	Sheet Metal Workers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Apprenticeship
47-3000	Helpers, Construction Trades	n	n	n	n	n	n	n			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
47-4000	Other Construction and Related Workers	95	104	9	9.5%	4	6	11			
47-4011	Construction and Building Inspectors	n	n	n	n	n	n	n	HS diploma/equivalent	5 years or more	Moderate-term OJT
47-4051	Highway Maintenance Workers	62	66	4	6.5%	3	4	7	HS diploma/equivalent	None	Moderate-term OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
47-4099	Construction and Related Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
47-5000	Extraction Workers	n	n	n	n	n	n	n			
47-5021	Earth Drillers, Except Oil and Gas	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
49-0000	Installation, Maintenance, and Repair Occupations	786	814	28	3.6%	28	48	79			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	89	96	7	7.9%	3	5	9			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	89	96	7	7.9%	3	5	9	HS diploma/equivalent	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	54	51	-3	-5.6%	2	4	6			
49-2011	Computer, Automated Teller, and Office Machine Repairers	n	n	n	n	n	n	n	Some college, no degree	None	Short-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	n	n	n	n	n	n	n	Postsec. non-degree award	None	Moderate-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	n	n	n	n	n	n	n	Postsec. non-degree award	None	Long-term OJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	n	n	n	n	n	n	n	Postsec. non-degree award	None	Short-term OJT
49-2098	Security and Fire Alarm Systems Installers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	248	254	6	2.4%	8	16	25			
49-3021	Automotive Body and Related Repairers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	127	132	5	3.9%	4	8	12	Postsec. non-degree award	None	Short-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-3041	Farm Equipment Mechanics and Service Technicians	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC Code	Occupation Title	2016	2026	Numeric Change	Percent Change	Average Annual Openings			Entry-Level Occupational Preparation		
		Estimated	Projected			Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
49-3051	Motorboat Mechanics and Service Technicians	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-3052	Motorcycle Mechanics	n	n	n	n	n	n	n	Postsec. non-degree award	None	Short-term OJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
49-3092	Recreational Vehicle Service Technicians	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-9000	Other Installation, Maintenance, and Repair Occupations	395	413	18	4.6%	15	24	41			
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	33	33	0	0.0%	1	2	3	Postsec. non-degree award	None	Long-term OJT
49-9041	Industrial Machinery Mechanics	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-9051	Electrical Power-Line Installers and Repairers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-9069	Precision Instrument and Equipment Repairers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
49-9071	Maintenance and Repair Workers, General	243	259	16	6.6%	10	14	26	HS diploma/equivalent	None	Moderate-term OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-0000	Production Occupations	867	810	-57	-6.6%	39	52	85			
51-1000	Supervisors of Production Workers	57	56	-1	-1.8%	2	4	6			
51-1011	First-Line Supervisors of Production and Operating Workers	57	56	-1	-1.8%	2	4	6	HS diploma/equivalent	Less than 5 years	None
51-2000	Assemblers and Fabricators	71	60	-11	-15.5%	3	5	7			
51-2021	Coil Winders, Tapers, and Finishers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-2022	Electrical and Electronic Equipment Assemblers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-2023	Electromechanical Equipment Assemblers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-2041	Structural Metal Fabricators and Fitters	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-2092	Team Assemblers	60	51	-9	-15.0%	2	4	5	HS diploma/equivalent	None	Moderate-term OJT
51-3000	Food Processing Workers	89	97	8	9.0%	6	7	14			
51-3011	Bakers	67	74	7	10.5%	4	5	10	No formal education	None	Long-term OJT
51-3021	Butchers and Meat Cutters	n	n	n	n	n	n	n	No formal education	None	Long-term OJT
51-3092	Food Batchmakers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4000	Metal Workers and Plastic Workers	118	114	-4	-3.4%	4	8	12			
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	n	n	n	n	n	n	n	Postsec. non-degree award	None	Moderate-term OJT
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4041	Machinists	60	62	2	3.3%	2	4	6	HS diploma/equivalent	None	Long-term OJT
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-4121	Welders, Cutters, Solderers, and Brazers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-5100	Printing Workers	47	39	-8	-17.0%	2	3	4			
51-5111	Prepress Technicians and Workers	n	n	n	n	n	n	n	Postsec. non-degree award	None	None
51-5112	Printing Press Operators	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-5113	Print Binding and Finishing Workers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-6000	Textile, Apparel, and Furnishings Workers	274	239	-35	-12.8%	14	14	24			
51-6011	Laundry and Dry-Cleaning Workers	49	45	-4	-8.2%	3	3	6	No formal education	None	Short-term OJT
51-6031	Sewing Machine Operators	49	41	-8	-16.3%	3	2	4	No formal education	None	Short-term OJT
51-6041	Shoe and Leather Workers and Repairers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-6092	Fabric and Apparel Patternmakers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-6099	Textile, Apparel, and Furnishings Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
51-7000	Woodworkers	50	52	2	4.0%	2	3	5			

Carroll County Long-term Occupational Projections, 2016 to 2026											
SOC Code	Occupation Title	2016	2026	Numeric Change	Percent Change	Average Annual Openings			Entry-Level Occupational Preparation		
		Estimated	Projected			Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
51-7011	Cabinetmakers and Bench Carpenters	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-8000	Plant and System Operators	n	n	n	n	n	n	n			
51-8031	Water and Wastewater Treatment Plant and System Operators	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
51-8099	Plant and System Operators, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9000	Other Production Occupations	140	133	-7	-5.0%	7	9	15			
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24	20	-4	-16.7%	1	2	3	HS diploma/equivalent	None	Moderate-term OJT
51-9071	Jewelers and Precious Stone and Metal Workers	26	24	-2	-7.7%	2	1	3	HS diploma/equivalent	None	Long-term OJT
51-9111	Packaging and Filling Machine Operators and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9194	Etchers and Engravers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	n	n	n	n	n	n	n	HS diploma/equivalent	None	Long-term OJT
53-0000	Transportation and Material Moving Occupations	756	758	2	0.3%	39	46	85			
53-1000	Supervisors of Transportation and Material Moving Workers	n	n	n	n	n	n	n			
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	None
53-3000	Motor Vehicle Operators	600	596	-4	-0.7%	31	33	64			
53-3021	Bus Drivers, Transit and Intercity	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
53-3022	Bus Drivers, School or Special Client	120	123	3	2.5%	10	5	15	HS diploma/equivalent	None	Short-term OJT
53-3031	Driver/Sales Workers	n	n	n	n	n	n	n	HS diploma/equivalent	None	Short-term OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	225	229	4	1.8%	10	14	24	Postsec. non-degree award	None	Short-term OJT
53-3033	Light Truck or Delivery Services Drivers	72	74	2	2.8%	3	5	8	HS diploma/equivalent	None	Short-term OJT
53-3041	Taxi Drivers and Chauffeurs	88	83	-5	-5.7%	5	4	9	No formal education	None	Short-term OJT
53-4000	Rail Transportation Workers	n	n	n	n	n	n	n			
53-4099	Rail Transportation Workers, All Other	n	n	n	n	n	n	n	HS diploma/equivalent	None	Moderate-term OJT
53-7000	Material Moving Workers	145	151	6	4.1%	7	12	20			
53-7021	Crane and Tower Operators	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	Moderate-term OJT
53-7032	Excavating and Loading Machine and Dragline Operators	n	n	n	n	n	n	n	HS diploma/equivalent	Less than 5 years	Moderate-term OJT
53-7051	Industrial Truck and Tractor Operators	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
53-7061	Cleaners of Vehicles and Equipment	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	71	75	4	5.6%	4	6	10	No formal education	None	Short-term OJT
53-7064	Packers and Packagers, Hand	n	n	n	n	n	n	n	No formal education	None	Short-term OJT
53-7081	Refuse and Recyclable Material Collectors	49	51	2	4.1%	2	4	6	No formal education	None	Short-term OJT
	¹ Annual Labor Force Exits is the number of workers leaving an occupation (to go to school, start a family, or retire, for example).										
	² Annual Occupational Transfers is the number of workers leaving one occupation to go to another occupational group (such as through job change or promotion).										
	³ Total Annual Openings is the sum of Exits plus Transfers plus annual change in an occupation.										
	Sum of Exits, Transfers, and openings at the detailed occupational level may not add up to totals due to rounding										
	n = Employment data do not meet disclosure standards										

Carroll County											
Long-term Occupational Projections, 2016 to 2026											
SOC		2016	2026	Numeric	Percent	Average Annual Openings			Entry-Level Occupational Preparation		
Code	Occupation Title	Estimated	Projected	Change	Change	Exits ¹	Transfers ²	Total ³	Education	Experience	Job Training
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